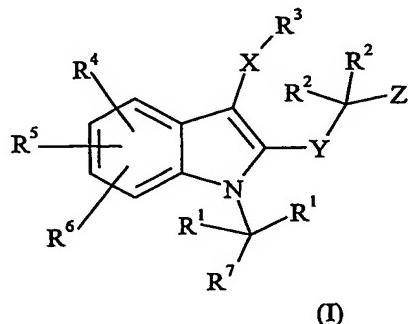


CLAIMS:

1. The use, for the manufacture of a medicament for treating or preventing a disease associated with deposition of A β in the brain, of a compound of Formula I



5

wherein each R¹ is independently H, C₁₋₆alkyl or C₃₋₆cycloalkyl;

each R² is independently H or C₁₋₆alkyl, or the two R² groups together complete a C₃₋₆cycloalkyl group;

R³ represents a hydrocarbon group of up to 10 carbon atoms optionally bearing 10 up to 2 substituents selected from halogen, CN, CF₃, OCF₃, C₁₋₄alkoxy, C₁₋₄alkylthio, CO₂H, C₁₋₄alkoxycarbonyl, C₁₋₄alkylcarbonyl and C₁₋₄alkylcarbonyloxy; or R³ represents a heteroaryl group of 5 or 6 ring atoms which is optionally benzo-fused, optionally bearing up to 2 substituents selected from C₁₋₄alkyl, halogen, CN, CF₃, OCF₃, C₁₋₄alkoxy, C₁₋₄alkylthio, CO₂H, C₁₋₄alkoxycarbonyl, C₁₋₄alkylcarbonyl and C₁₋₄alkylcarbonyloxy;

R⁴, R⁵ and R⁶ independently represent H, halogen, CN, CF₃, OCF₃, C₁₋₄alkoxy, C₁₋₄alkylthio, CO₂H, C₁₋₄alkoxycarbonyl, C₁₋₄alkylcarbonyl, C₁₋₄alkylcarbonyloxy or hydrocarbon of up to 7 carbon atoms optionally bearing a substituent selected from halogen, CN, CF₃, OCF₃, C₁₋₄alkoxy, C₁₋₄alkylthio, CO₂H, C₁₋₄alkoxycarbonyl, C₁₋₄alkylcarbonyl and C₁₋₄alkylcarbonyloxy;

R⁷ represents a hydrocarbon group of up to 10 carbon atoms optionally bearing up to 2 substituents selected from halogen, CN, CF₃, OCF₃, C₁₋₄alkoxy, C₁₋₄alkylthio, CO₂H, C₁₋₄alkoxycarbonyl, C₁₋₄alkylcarbonyl and C₁₋₄alkylcarbonyloxy;

X represents O or S;

Y represents a bond, CH₂, CH₂CH₂, CH₂CH₂CH₂ or CH₂CH₂O; and
Z represents CO₂H or tetrazol-5-yl;
or a pharmaceutically acceptable salt thereof.

5 2. Use according to claim 1 wherein said disease is selected from Alzheimer's disease, cerebral amyloid angiopathy, HCHWA-D, multi-infarct dementia, dementia pugilistica and Down syndrome.

10 3. Use, for the manufacture of a medicament for treating, preventing or delaying the onset of dementia associated with Alzheimer's disease, cerebral amyloid angiopathy, HCHWA-D, multi-infarct dementia, dementia pugilistica or Down syndrome, of a compound of Formula I as defined in claim 1 or a pharmaceutically acceptable salt thereof.

15 4. Use, for the manufacture of a medicament for retarding, arresting or preventing the accumulation of A β in the brain, of a compound of Formula I as defined in claim 1 or a pharmaceutically acceptable salt thereof.

20 5. Use according to any previous claim in which the medicament is for administration to a patient suffering from mild cognitive impairment or age related cognitive decline.

6. Use according to any previous claim wherein X is S.

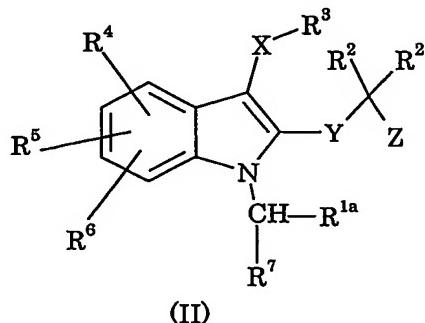
25 7. Use according to any previous claim wherein Y is CH₂.

8. Use according to any previous claim wherein Z is CO₂H.

30 9. Use according to any previous claim wherein R³ in formula I is selected from alkyl, cycloalkyl, alkyl-substituted phenyl and chloro-substituted phenyl.

10. Use according to any previous claim wherein R⁷ in formula I is selected from alkyl, cycloalkyl or alkenyl of up to 6 carbon atoms, or optionally substituted phenyl.

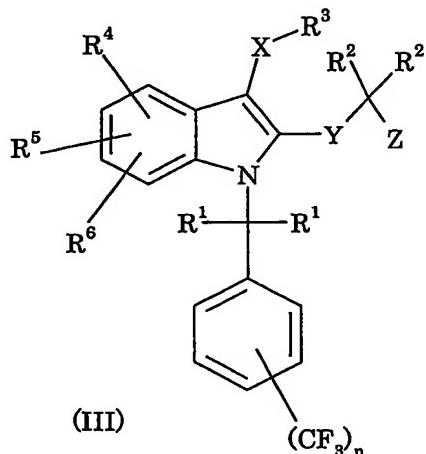
5 11. Use according to claim 1 of a compound according to formula II:



wherein R^{1a} represents C₁₋₆alkyl or C₃₋₆cycloalkyl, and R²-R⁷, X, Y and Z are as defined in claim 1;

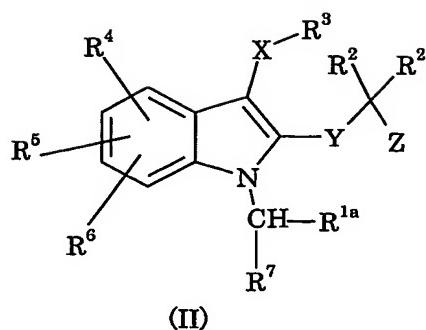
10 or a pharmaceutically acceptable salt thereof.

12. Use according to claim 1 of a compound according to formula III:



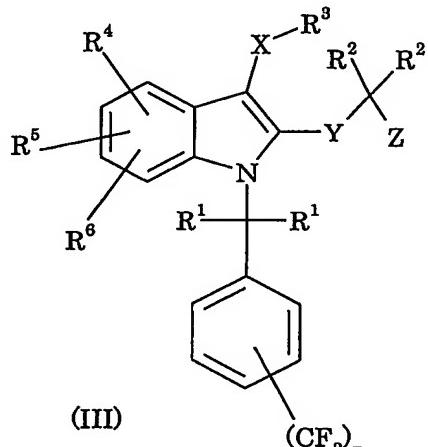
15 wherein n is 1 or 2 and R¹-R⁶, X, Y and Z are as defined in claim 1; or a pharmaceutically acceptable salt thereof.

13. A compound of formula II



wherein R^{1a} represents C₁₋₆alkyl or C₃₋₆cycloalkyl, and R²-R⁷, X, Y and Z are as defined in claim 1;
5 or a pharmaceutically acceptable salt thereof.

14. A compound of formula III:



10 wherein n is 1 or 2 and R¹-R⁶, X, Y and Z are as defined in claim 1;
wherein n is 1 or 2 and R¹-R⁶, X, Y and Z are as defined in claim 1;
or a pharmaceutically acceptable salt thereof.

15. A pharmaceutical composition comprising, in a pharmaceutically acceptable carrier, a compound of formula II or formula III, or a pharmaceutically acceptable salt thereof.